



# DWR CCTAG Scenarios Subgroup Meeting



October 18, 2013

**California Department of Water Resources  
Climate Change Technical Advisory Subgroup Meeting  
10am-noon, October 18, 2013  
DWR IRWM Conf Room, 2<sup>nd</sup> floor, Bonderson**

*Aschwarz, Climate1*

Topic: WebEx CCTAG Subgroup

Date: Friday, Oct. 18, 10am-noon Pacific time

Meeting Number: 746 523 887

Meeting Password: (This meeting does not require a password.)

<https://resources.webex.com/resources/j.php?ED=222844867&UID=491358787&RT=MiMO>

Call-in toll-free number (Verizon): 1-877-923-1522 (US)

Host access code: 679 474 0

Attendee access code: 295 056 7

**MEETING GOALS and OBJECTIVES:**

**Update on DWR Scenarios uses (Step 5 roadmap)**

Schwarz

**Culling process for CA/West coast and Water Management - T, p, H (Steps 1, 2 roadmap)**

Cayan, others ?

**Downscaling alternatives, including NCPP (Step 4 roadmap)**

Anderson, Dettinger, others ?

**Parallel Processes Updates**

**Decision Support Tool / Historical Hydrology** - Georgakakos

**Flood** – Anderson

**Next Subgroup: Friday, November 15**

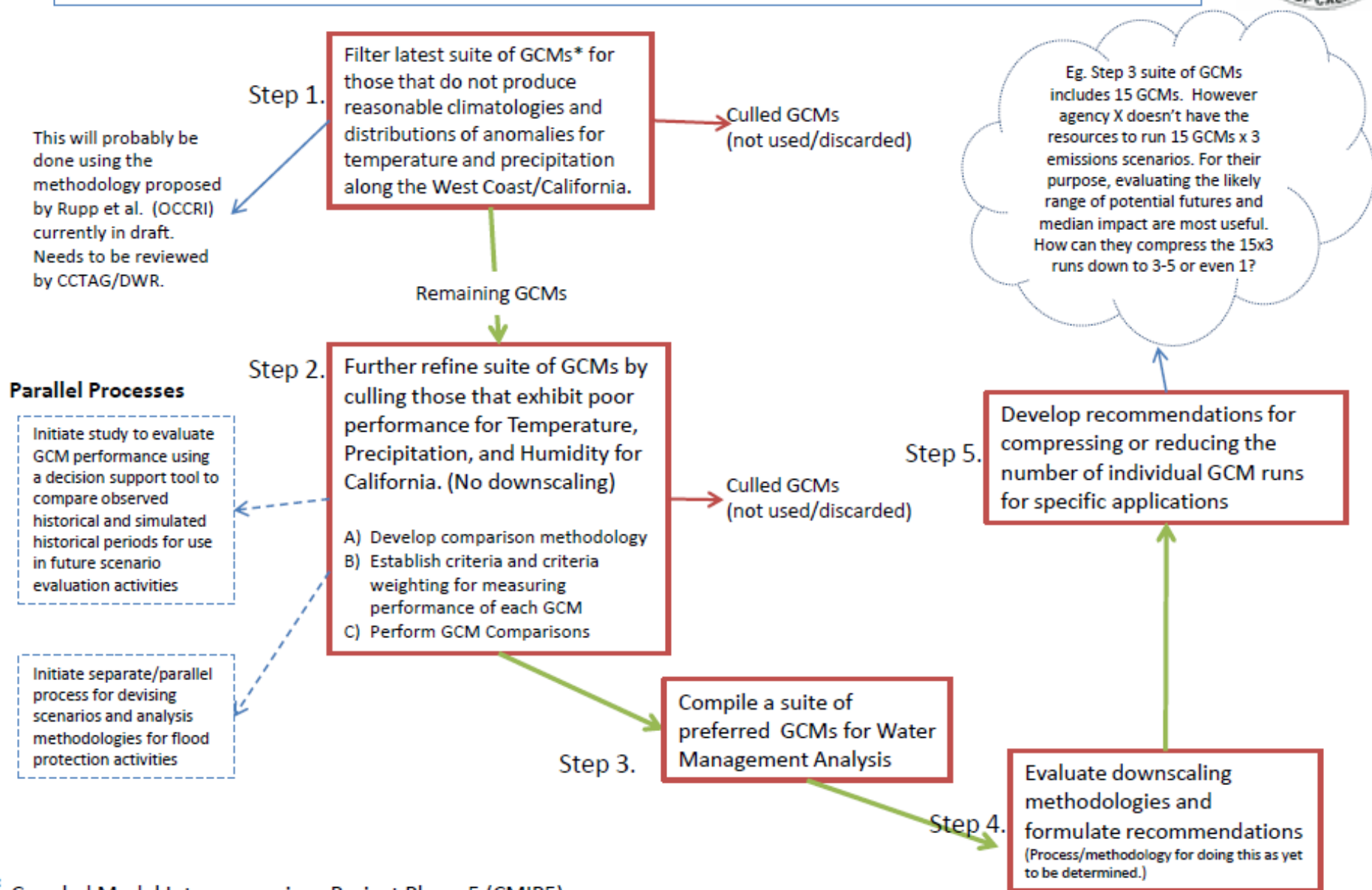
# Scenario Selection for Water Management in California

California Department of Water Resources – Climate Change Technical Advisory Group

September, 2013



**Objective:** Select a manageable suite of climate change scenarios for water management purposes in California.



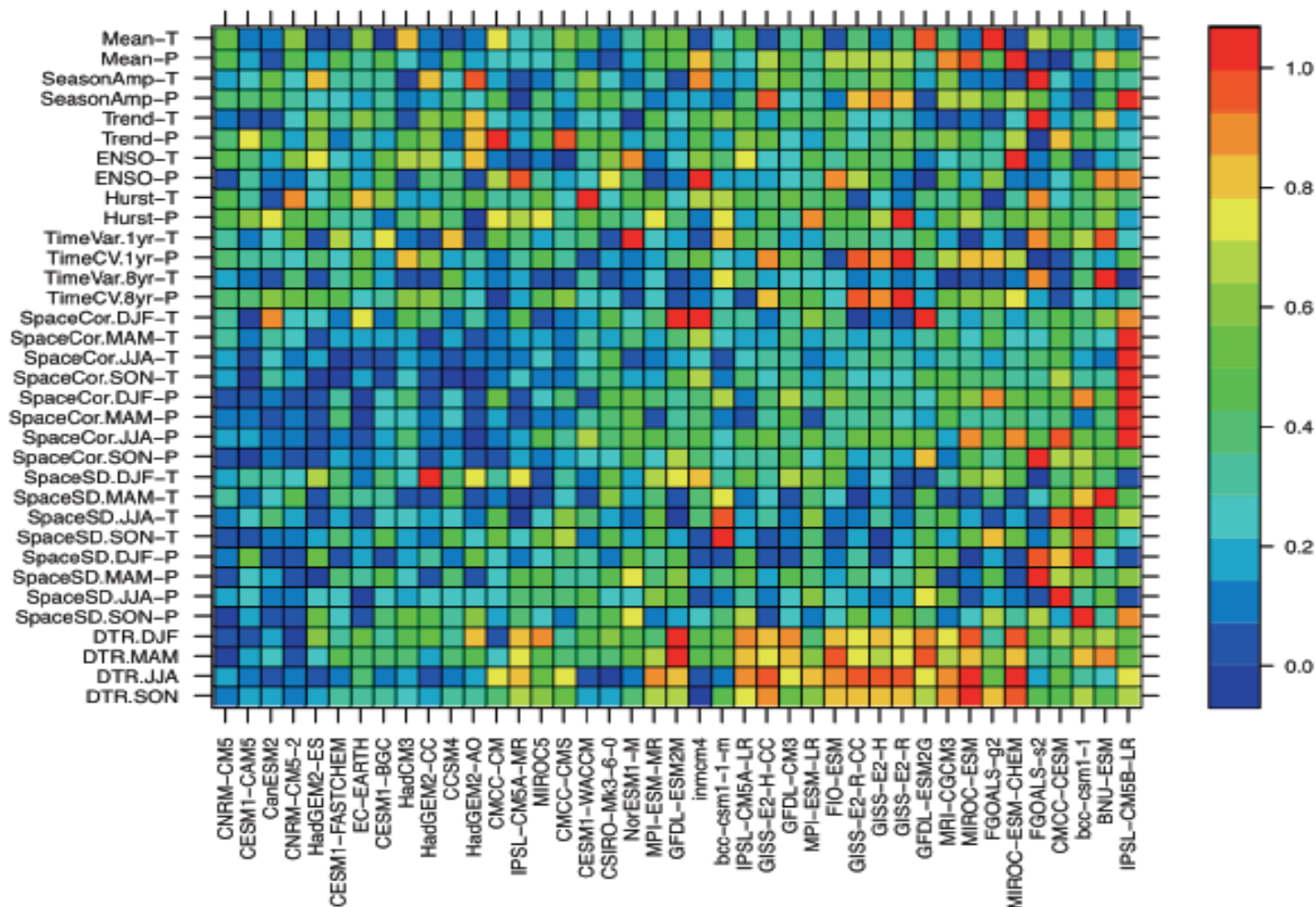
\* Coupled Model Intercomparison Project Phase 5 (CMIP5)

## NCPD Observational datasets

Dataset Focus Abbreviation	Time resolution	Spatial resolution and coverage	Period
Maurer et al. 2002  <i>Water resources modeling</i>  Maurer02v1	Daily	1/8 degree or approx. 12 km 48 US	1950-1999
Maurer et al. 2002  <i>Water resources modeling</i>  Maurer02v2	Daily	1/8 degree or approx. 12 km 48 US	1950-2010
DayMet <i>Ecological modeling</i>	Daily	1 km 48 US, Canada, Mexico Regridded to 12 km	1980-2011

## Downscaled global or regional climate datasets

Dataset Abbreviation	Time resolution	Spatial resolution and coverage	Period GCMs
Bias Correction Constructed Analog  BCCA	Daily	1/8 degree or approx. 12 km  48 US	1961-2000  2046-2065 2081-2100 9 models
Asynchronous Regional Regression Model  ARRM	Daily	12 km  48 US	1960-2099  14 models
NARCCAP	Daily and hourly	50 km	1971-2000 2041-2070 4 GCMs 6 RCMs



867

868 **Figure 2.** Relative error of the ensemble mean of each metric for each CMIP5 GCM. Models  
 869 are ordered from least (left) to most (right) total relative error, where total relative error is the  
 870 sum of relative errors from all metrics.

**Scenarios Subgroup November 15, 10–12**  
**Full CCTAG Friday, December 6**



# THANK YOU!

